

Date of Deposit June 6, 2005

PTO-1390 (Rev. 12-2004)

Approved for use through 3/31/2007. OMB 0657-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NO. 12868/3
		U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) 10/537678
INTERNATIONAL APPLICATION NO. PCT/JP2003/015641	INTERNATIONAL FILING DATE December 5, 2003	PRIORITY DATE CLAIMED December 5, 2002
TITLE OF INVENTION LAYERED BIORESORBABLE IMPLANT		
APPLICANT(S) FOR DO/EO/US Kikaru Matsuda, Yoshiki Sawa, Satoshi Taketani, Shigemitsu Iwai, Koichiro Hirakawa		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371</p> <p>3. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9), and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p> a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</p> <p> b. <input type="checkbox"/> has been transmitted by the International Bureau.</p> <p> c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English translation of the International Application into English (35 U.S.C. 371(c)(2)).</p> <p> a. <input type="checkbox"/> is attached hereto.</p> <p> b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</p> <p> b. <input type="checkbox"/> have been transmitted by the International Bureau.</p> <p> c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p> d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input checked="" type="checkbox"/> An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)) and/or amendments under Article 34.</p> <p>Items 11 to 20 Below concern other document(s) or information included:</p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: International Research Report WO 2004/050133 A3, PCT Request, Notification of the International Application Number and of the International Filing Date, Invitation to Correct Defects in the International Application, Invitation to Pay Prescribed Fees Together with Late Payment Fee, Notification of Receipt of Record Copy, Notification Concerning Submission or Transmittal of Priority Document, Notice Informing the Applicant of the Communication of the International Application to the Designated Offices, Information Concerning Elected Offices Notified of their Election, Notification of Receipt of Search Copy, International Search Report, Notification of Transmittal of the International Search Report or the Declaration, Communication in Cases for which No Other Form is Applicable, PCT Demand, PCT Written Opinion, Notification of Transmittal of the International Preliminary Examination Report, PCT International Preliminary Examination Report, and Return Post card.</p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 12 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.50) 10/537678		INTERNATIONAL APPLICATION NO. PCT/JP2003/015641		ATTORNEY'S DOCKET NO.																																																																															
21. <input type="checkbox"/> The following fees are submitted: <input type="checkbox"/> a) Basic national fee.....\$300.00 <input type="checkbox"/> b) Examination fee.....\$200.00 <input type="checkbox"/> c) Search Fee.....\$500.00 TOTAL OF ABOVE CALCULATIONS \$ _____ <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				CALCULATIONS	PTO USE ONLY																																																																														
				\$																																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Claims</th> <th style="width: 20%;">Number Filed</th> <th style="width: 20%;">Number Extra</th> <th style="width: 20%;">Rate</th> <th style="width: 20%;"></th> <th style="width: 20%;"></th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td style="text-align: center;">- 20 =</td> <td style="text-align: center;">0</td> <td style="text-align: center;">x \$ 50.00</td> <td></td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td>Independent Claims</td> <td style="text-align: center;">- 3 =</td> <td></td> <td style="text-align: center;">x \$ 200.00</td> <td></td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td>Multiple dependent claim(s) if Applicable</td> <td></td> <td></td> <td style="text-align: center;">+ \$360.00</td> <td></td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td colspan="5" style="text-align: right;">TOTAL OF ABOVE CALCULATIONS =</td> <td style="text-align: right;">\$</td> </tr> <tr> <td colspan="5"><input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL =</td> <td style="text-align: right;">\$</td> </tr> <tr> <td colspan="5">Processing fee of \$130.00 for furnishing the English translation later than the <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).</td> <td style="text-align: right;">\$</td> </tr> <tr> <td colspan="5" style="text-align: right;">TOTAL NATIONAL FEE=</td> <td style="text-align: right;">\$</td> </tr> <tr> <td colspan="5">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31), \$40.00 per property +</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">TOTAL FEES ENCLOSED=</td> <td style="text-align: right;">\$</td> </tr> <tr> <td colspan="5"></td> <td style="text-align: right;">Amount to be refunded \$</td> </tr> <tr> <td colspan="5"></td> <td style="text-align: right;">charged \$</td> </tr> </tbody> </table>				Claims	Number Filed	Number Extra	Rate			Total Claims	- 20 =	0	x \$ 50.00		\$0.00	Independent Claims	- 3 =		x \$ 200.00		\$0.00	Multiple dependent claim(s) if Applicable			+ \$360.00		\$0.00	TOTAL OF ABOVE CALCULATIONS =					\$	<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.						SUBTOTAL =					\$	Processing fee of \$130.00 for furnishing the English translation later than the <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).					\$	TOTAL NATIONAL FEE=					\$	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31), \$40.00 per property +						TOTAL FEES ENCLOSED=					\$						Amount to be refunded \$						charged \$		
Claims	Number Filed	Number Extra	Rate																																																																																
Total Claims	- 20 =	0	x \$ 50.00		\$0.00																																																																														
Independent Claims	- 3 =		x \$ 200.00		\$0.00																																																																														
Multiple dependent claim(s) if Applicable			+ \$360.00		\$0.00																																																																														
TOTAL OF ABOVE CALCULATIONS =					\$																																																																														
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.																																																																																			
SUBTOTAL =					\$																																																																														
Processing fee of \$130.00 for furnishing the English translation later than the <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).					\$																																																																														
TOTAL NATIONAL FEE=					\$																																																																														
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31), \$40.00 per property +																																																																																			
TOTAL FEES ENCLOSED=					\$																																																																														
					Amount to be refunded \$																																																																														
					charged \$																																																																														
a. <input type="checkbox"/> A check in the amount of \$_____ to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. 23-1925 in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.																																																																																			
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.																																																																																			
Send All Correspondence to: Brinks Hofer Gilson & Lione P.O. Box 10395 Chicago, IL 60610			<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <i>S. Mrksich</i> Signature </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> Name K. Shannon Mrksich </div> <div style="border: 1px solid black; padding: 5px;"> Registration Number 36,675 </div>																																																																																